

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B255	MICRO VITAMIN TEST INOCULUM BROTH					
Formula						
Ingredients :		gms/lit.				
Yeast Extract		20.00				
Proteose Peptone		5.00				
Dextrose (glucose)		10.00				
Potassium dihydrogen phosphate		2.00				
Polysorbate 80 (Tween 80)		0.10				
Final pH (at 25°C) : 6.7 ± 0.2						
Directions :						
Suspend 37.1 gms in 1000ml distilled water. Heat to boiling to dissolve the medium completely. Dispense and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
Principle :						
Proteose peptone and yeast extract provide essential nutrients as nitrogen, sulphur, vitamins etc. for growth. Dextrose is the energy source. Polysorbate 80 is the fatty acid source.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to Yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		6.7 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35 - 37°C for 24 - 48 hours.						
MICROORGANISM (ATCC)		GROWTH				
Lactobacillus casei (9595)		Good-Luxuriant				
Lactobacillus viridescens (12706)		Good-Luxuriant				
Lactobacillus leichmanni (4797)		Good-Luxuriant				
Lactobacillus plantarum (8014)		Good-Luxuriant				
Precautions :						
1. For Laboratory Use.						
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.						
Limitations :						
1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.						
Use :						
For preparation of inocula of Lactobacilli used in microbiological assay of vitamins..						
Storage :						
Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.						
Packing :						
500 gm bottle						
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B255	37.1g/l		13.477L	6.7 ± 0.2	Nil	121°C / 15 minutes

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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